

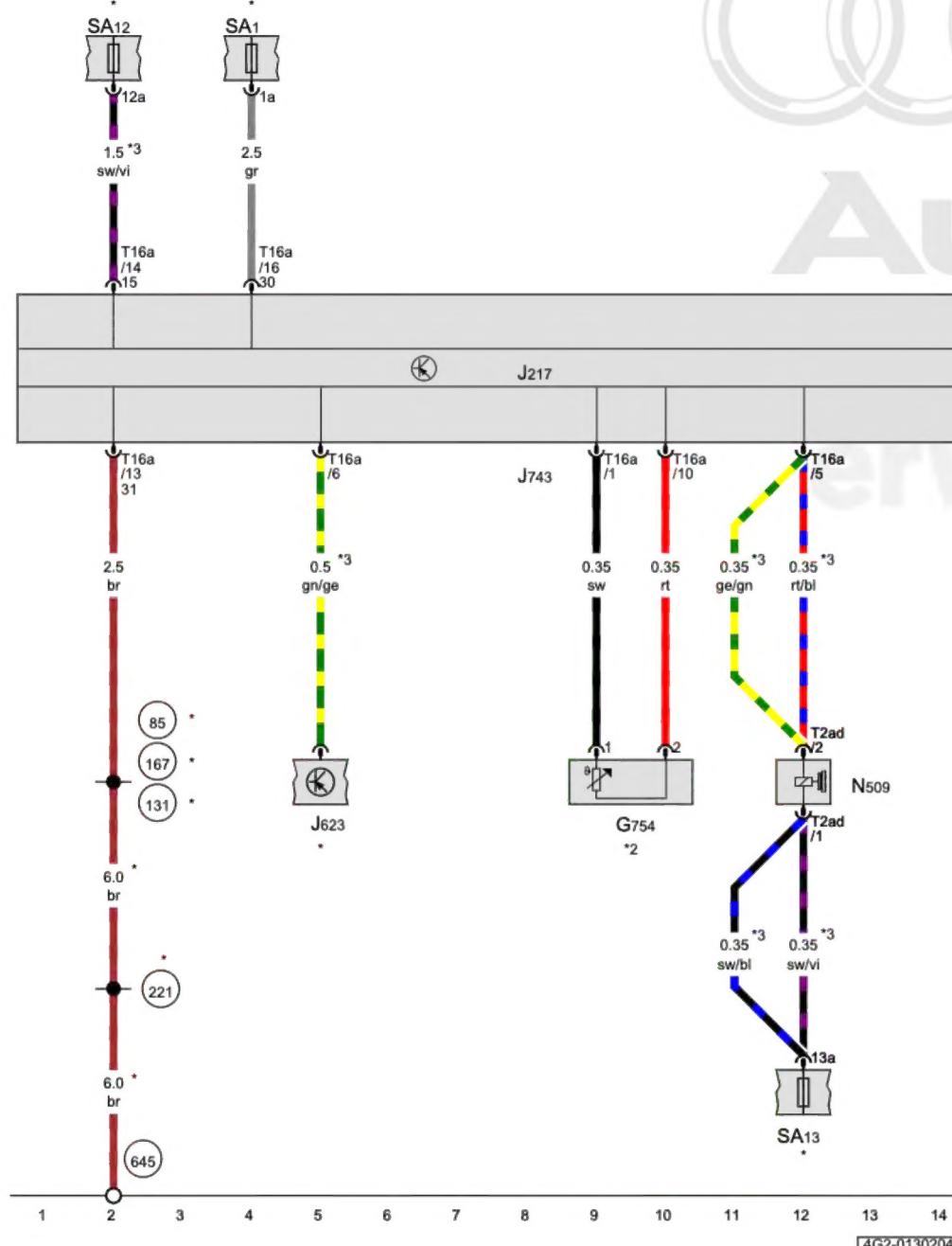
Automatic Transmission 7-Speed 0B5 (S Tronic) , (G1D)

From January 2011



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Transmission Fluid Temperature Sensor 2, Transmission Control Module, Transmission Fluid Cooling Valve

G754 Transmission Fluid Temperature Sensor 2

J217 Transmission Control Module

J623 Engine/Motor Control Module

J743 Dual-Clutch Transmission Mechatronic

N509 Transmission Fluid Cooling Valve

SA1 Fuse 1 (On Fuse Panel A)

SA12 Fuse 12 (On Fuse Panel A)

SA13 Fuse 13 (On Fuse Panel A)

T2ad 2-Pin Connector

T16a 16-Pin Connector

Ground Connection 1 (in Engine/Motor Compartment Wiring Harness)

Ground Connection 2 (in Engine/Motor Compartment Wiring Harness)

Ground Connection 4 (in Engine/Motor Compartment Wiring Harness)

Engine Ground Connection (in Engine Wiring Harness)

Ground Connection 1 on Bulkhead

* Refer to Applicable Engine Wiring Diagram

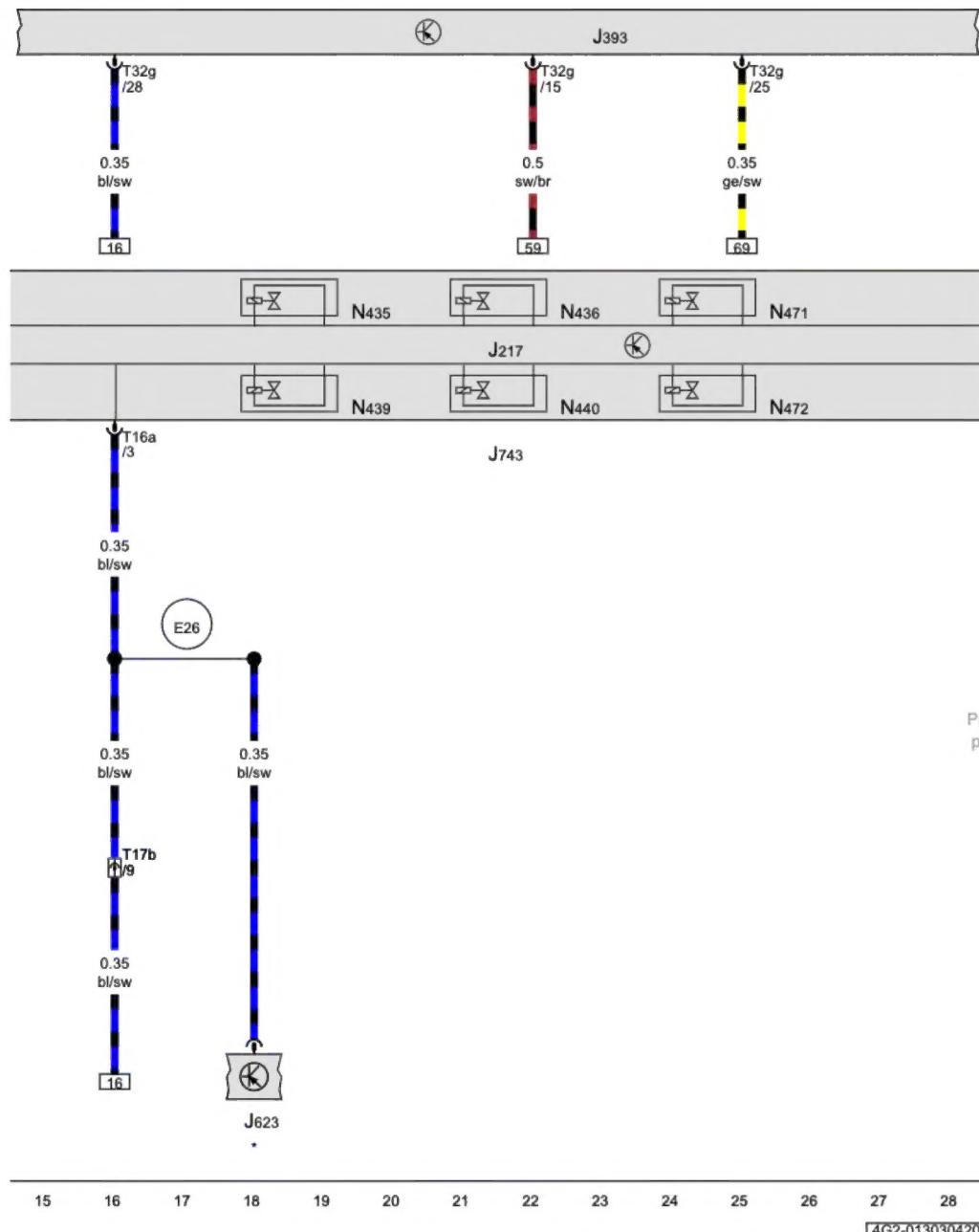
*2 Depending on Equipment

*3 The Color of the Wires Depends on Vehicle Equipment

ws	= white
sw	= black
ro	= red
rt	= red
br	= brown
gn	= green
bl	= blue
gr	= grey
li	= lilac
vi	= lilac
ge	= yellow
or	= orange
rs	= pink

Transmission Control Module, Comfort System Central Control Module

- J217 Transmission Control Module
- J393 Comfort System Central Control Module
- J623 Engine/Motor Control Module
- J743 Dual-Clutch Transmission Mechatronic
- N435 Sub-Transmission 1 Valve 3
- N436 Sub-Transmission 1 Valve 4
- N439 Sub-Transmission 2 Valve 3
- N440 Sub-Transmission 2 Valve 4
- N471 Cooling Oil Valve
- N472 Main Pressure Valve
- T16a 16-Pin Connector
- T17b 17-Pin Connector, Left Plenum Chamber E-Box Connector Station
- T32g 32-Pin Connector
- E26** Selector Lever P/N Position Connection (in Motronic Multiform Fuel Injection Wiring Harness)
- * Refer to Applicable Engine Wiring Diagram

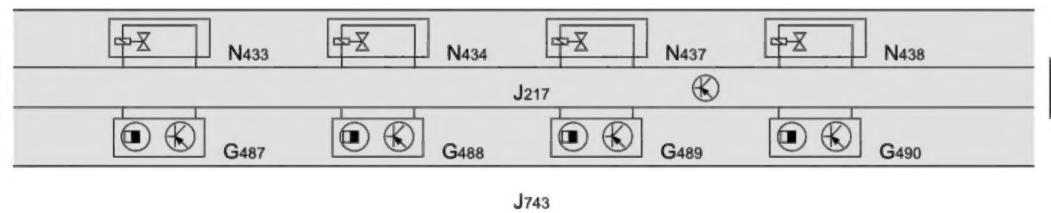


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Transmission Control Module

G487 Gear Position Distance Sensor 1
 G488 Gear Position Distance Sensor 2
 G489 Gear Position Distance Sensor 3
 G490 Gear Position Distance Sensor 4
 J217 Transmission Control Module
 J743 Dual-Clutch Transmission Mechatronic
 N433 Sub-Transmission 1 Valve 1
 N434 Sub-Transmission 1 Valve 2
 N437 Sub-Transmission 2 Valve 1
 N438 Sub-Transmission 2 Valve 2



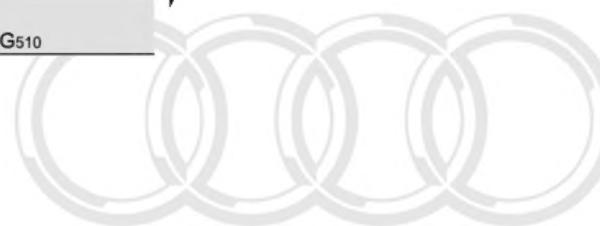
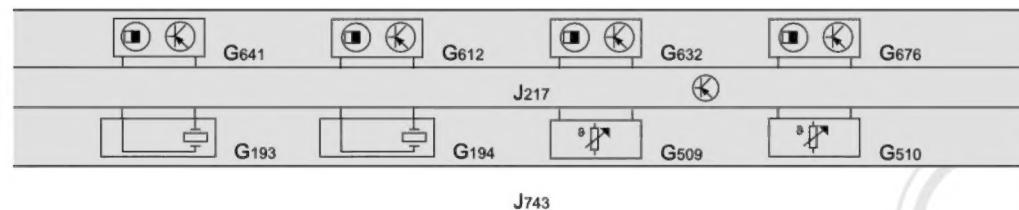
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Transmission Control Module

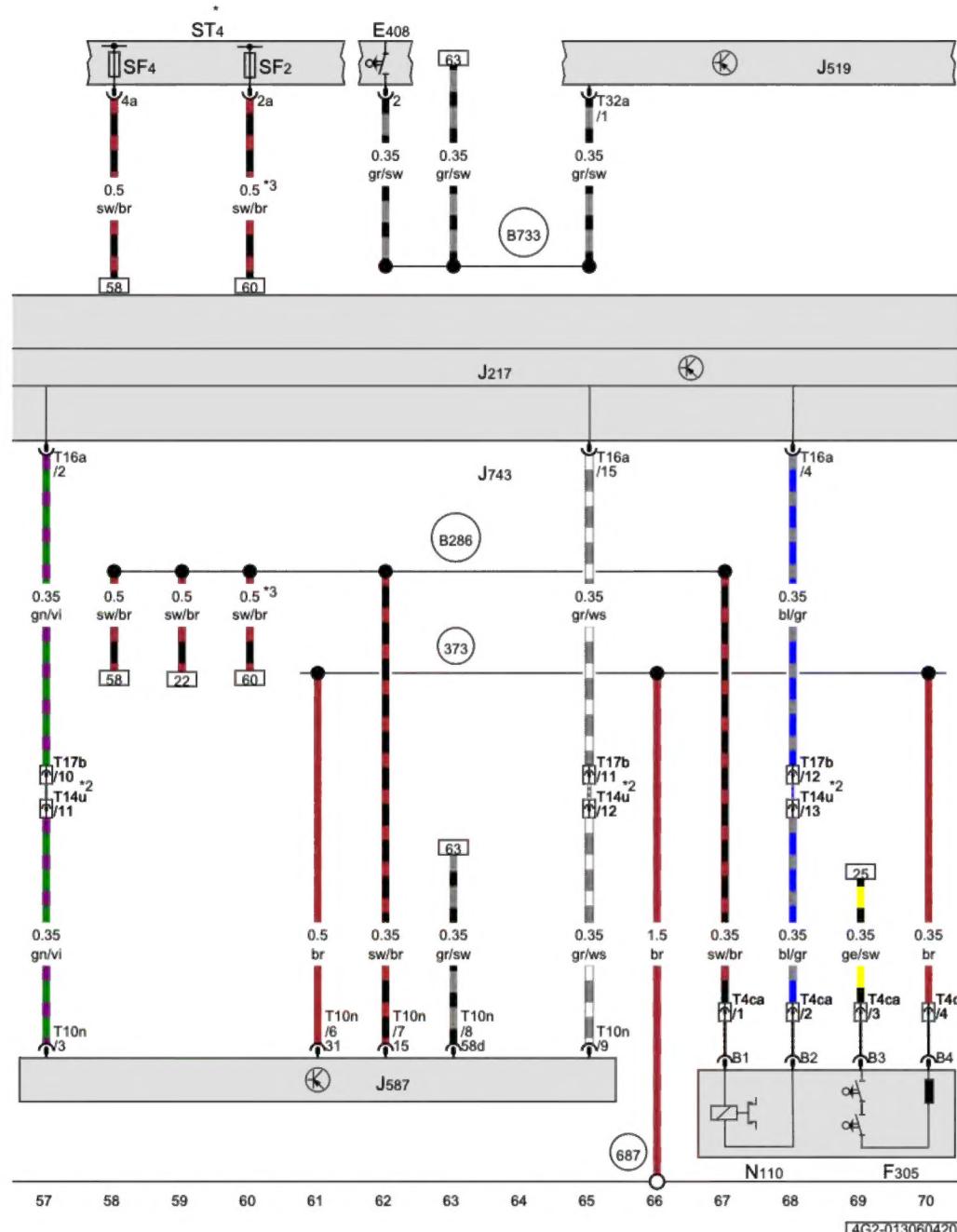
- G193 Automatic Transmission Hydraulic Pressure Sensor 1
- G194 Automatic Transmission Hydraulic Pressure Sensor 2
- G509 Clutch Oil Temperature Sensor
- G510 Temperature Sensor in Control Module
- G612 Transmission Input Speed Sensor 2
- G632 Transmission Input Speed Sensor 1
- G641 Transmission Input Speed Sensor 3
- G676 Drive Position Sensor
- J217 Transmission Control Module
- J743 Dual-Clutch Transmission Mechatronic



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Transmission Park Selector Switch, Transmission Control Module, Vehicle Electrical System Control Module, Selector Lever Sensor System Control Module

- E408 Access/Start Authorization Button
- F305 Transmission Park Selector Switch
- J217 Transmission Control Module
- J519 Vehicle Electrical System Control Module
- J587 Selector Lever Sensor System Control Module
- J743 Dual-Clutch Transmission Mechatronic
- N110 Shift Lock Solenoid
- SF2 Fuse 2 (On Fuse Panel F)
- SF4 Fuse 4 (On Fuse Panel F)
- ST4 Fuse Panel 4
- T4ca 4-Pin Connector
- T10n 10-Pin Connector
- T14u 14-Pin Connector
- T16a 16-Pin Connector
- T17b 17-Pin Connector, Left Plenum Chamber E-Box Connector Station
- T32a 32-Pin Connector
- 373 Ground Connection 8 (in Main Wiring Harness)
- 687 Ground Connection 1 on Center Tunnel
- B286 Positive Connection 10 (15a) (in Main Wiring Harness)
- B733 Connection 58s (in Main Wiring Harness) 3

* Refer to Applicable Wiring Diagram for Fuse Positions

*2 Refer to Applicable Engine Wiring Diagram

*3 From June 2014

ws = white

sw = black

ro = red

re = red

br = brown

gn = green

bl = blue

gr = grey

li = lilac

vi = lilac

ge = yellow

or = orange

rs = pink

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Transmission Control Module, Powertrain CAN Bus High Wire Junction, Powertrain CAN Bus Low Wire Junction, Powertrain CAN Bus High Wire Junction 2

J217 Transmission Control Module
 J533 Data Bus on Board Diagnostic Interface
 J623 Engine/Motor Control Module
 J743 Dual-Clutch Transmission Mechatronic
 T14t 14-Pin Connector
 T16a 16-Pin Connector
 T17a 17-Pin Connector, Left Plenum Chamber E-Box Connector Station
 T32b 32-Pin Connector
 T46a 46-Pin Connector
 T46b 46-Pin Connector

TV33 Powertrain CAN Bus High Wire Junction
 TV37 Powertrain CAN Bus Low Wire Junction
 TV79 Powertrain CAN Bus High Wire Junction 2
 TV82 Powertrain CAN Bus Low Wire Junction 2

B383 Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)

B390 Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)

E93 CAN Bus High Connection 1 (in Engine Wiring Harness)

E94 CAN Bus Low Connection 1 (in Engine Wiring Harness)

* Refer to Applicable Engine Wiring Diagram

*2 Data Bus Wire (CAN Bus)

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
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